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TECH NEWS

VOL. XIV.

WORCESTER, MASS., OCT. 10, 1922

NO. 2

SKEPTICAL CHYMISTS MEET

Great Enthusiasm

EXPECT BANNER YEAR

If one may judge by the attendance and the enthusiasm shown at the first meeting of the "Skeptical Chymists," the inevitable prediction would necessarily be that the society was due for the banner year of its existence. As there was no scheduled program for the evening, President Seidel called on several members for a few extemporaneous remarks.

L. V. Quigley gave an interesting account of his experiences during the summer at work in a pharmacy. Told in his versatile manner, Mr. Quigley's talk was extremely entertaining and instructive.

The next speaker was Frank Weeks, who spoke on his experience in a tannery. While at work in the tannery, Mr. Weeks saw most of the details of plant operation, and so was able to render a complete account of the tanning of the hides, including both the mechanical and chemical operations.

Doctor Zinn was called on for a few words, and he responded with an account of the doings of some of the recent graduates in the chemistry department. All of the graduates seem to agree in the hopeful prospect, that we at Tech don't know what work is until we get out on the job.

Wm. V. Sessions, '17, told of the doings at the summer course in Zoology of the Brooklyn Arts and Science Institute, at Cold Harbor, Long Island. From the account, however, we gather that most of his time was spent in the study of comparative anatomy at the various beaches.

Doctor Jennings responded to a call for a few remarks with some very good advice about the advantages of the American Chemical Society. He also urged the members of the society to greater efforts in their work in the department and in the club, and we feel sure that with his help the society will continue to grow.

The only things on the program that were not extemporaneous were the "eats," and whether the appetites were extemporaneous or not, the elder and sinkers disappeared too fast for determination.

TENNIS TOURNAMENT

Entries closed Wednesday for the annual fall tournament. Only fifteen men entered this year and therefore the matches should be played immediately. The following is the way the men line up for the first round:

C. W. McElroy, '24—D. B. Sharpe, '24
T. D. Perry, '24—F. J. Zielinski, '24
A. Houle, '25—W. P. Gleason, '25
S. T. Chen, '23—F. Perry, '24
C. F. Hawley, '23—E. Topanellian, '23
E. E. Franks, '23—G. C. Willard, '24
J. A. Thompson, '26—T. H. Chou, '24
H. S. Nutting, '23

The winner of last year's tournament and a "W" man of the team, S. T. Chen, is back this year and is expected to make a strong bid for first honors again.

MUCH INTEREST IN CHEM. DEPT.

Many Prominent Visitors

DELEGATES AT EXHIBIT

Mr. George R. Taylor of the class of 1904 has just presented the library with a reprint of an address which he made at the 26th annual meeting of the Pennsylvania Water Works Association at Atlantic City on the Modern Methods of Preserving the Purity of Water Supplies. This address summarizes in an interesting way all the conditions which have to be met in furnishing communities with an adequate supply of water which is bacterially safe and physically attractive. Mr. Taylor calls attention to the methods which are used for freeing water supplies from the algae which at this time of year so often cause objectionable taste and odor.

Professors Jennings and Cathane attended the 8th National Exhibit of Chemical Industries held at Grand Central Palace, New York, September 11-16. The exhibit was found to be as extensive and instructive as ever, covering four floors, and presented almost every conceivable new advance in the chemical and chemical engineering industries. This exhibition was unique and furnished a rare opportunity to keep in touch with new developments. Its wide appeal was evidenced by its crowded condition day and night. It was a pleasure to meet there many Tech graduates among whom may be mentioned Messrs. G. E. Barton, '91; B. B. Wright, '05; F. Chapman, '09; C. W. Hedberg, '15; H. A. Lavene, '15; J. A. King, '17; R. K. Prince, '17; O. H. Forsdale, '18; F. W. Bauder, '20; H. D. Sanborn, '20; H. S. Carpenter, '21. Also O. I. Lee, ex '11; H. P. Trevisick, P. G. '18, and Dr. St. John, formerly instructor in physics.

Visitors at the Salisbury Laboratories during September were W. K. Jealous, '16; D. G. Rogers, '15; H. E. Drake, '15; W. H. Brown, '22.

P. T. Sah of the junior class spent the summer with friends in Chicago, where he competed in the open tennis tournament of Chicago University, winning fresh laurels by eliminating in the third round the son of the famous old Yale athlete Stagg. Sah has decided not to return to the Institute this fall but to complete his studies at the University of Wisconsin. This decision will be a great loss to the Tech tennis team.

A recent visitor to the laboratory was Dr. Akira Shimoura of Kyoto, Japan. He is the son of Kotaro Shimoura of the class of 1888 and has been studying under Professor Cohen in the University of Leeds, England, where he has obtained his Ph. D. degree in organic chemistry. On his way back to Japan he made a special visit to Worcester in order to see for himself the scenes of his father's student days at Tech, which had been so vividly described to him. It was an inspiration to see the pleasure he took in what was shown him and the mastery of the minutest details of Tech traditions which had been instilled into

(Continued on Page 4, Col. 2)

AFTERMATH GETS EARLY START

Plans Well Laid

1923 PROMISES GOOD BOOK

Pursuant to the policy of last year, an improvement over previous custom, it is planned to have the 1923 Aftermath published at Commencement. Already many plans have been made by those in charge of the year-book to have the book a work of consummate excellence, and also to insure its publication on scheduled time.

The Aftermath Board for 1923 is as follows: Editor-in-Chief, Leon V. Quigley, Worcester; Associate Editor, Edmond G. Reed, Worcester; Editors, I. Warren Bell, Gardner; Wallace C. Hathaway, Portsmouth, R. I.; C. Freeman Hawley, Holden; Walter W. Metcalf, Iroburg, Vt.; Business Manager, Oswald H. Dodkin, Foxboro; Assistant Business Manager, Howard A. Craig, Leominster; Advertising Manager, Philip J. Robinson, Boston; Assistant Advertising Manager, William R. Voigt, Easthampton.

This year's staff got away to an early start. It was organized last spring, and even at the present date, which is remote from the time of publication, has accomplished some phases of its work. The business and advertising departments are solving their usual problems in business administration and finance, while the editorial staff has some material already written up.

It is hoped to make this year's book attractive, with reference to its general appearance, and interesting in every detail.

FALL BASEBALL SERIES GETTING UNDERWAY

Close Series Expected

During the past weeks the Sophomore and Freshman baseball teams have been rounding into shape under the able coaching of Jack Curran. The Sophomore team has an advantage in that they have played together before, and that three of their men were on the varsity last year. However, judging by the looks of the material that has been representing the Freshmen at practice, the second year men will not have everything their own way. The championship will be decided by a series of three games. The first game comes Saturday, the second a week from then, and if it is necessary to play a third game, the date will be fixed later.

Last week the Freshmen elected McCarthy as baseball captain. He has played two years at Worcester Academy. "Shorty" McFarrell was elected by the Sophomores to captain their team in the coming series.

Football Schedule and Scores

*Oct. 7 Trinity, 18; W. P. I., 0
*Oct. 14 Mass. Aggies.
*Oct. 21 Lowell Textile
*Oct. 28 Conn. Aggies
Nov. 4 Rhode Island State.
Nov. 11 Rensselaer
*Home Games.

TRINITY DEFEATS TECH IN FIRST GAME OF SEASON

Slippery Field Handicaps Team

TECH SHOWS WEAKNESS IN LINE

Tech opened its 1922 football season Saturday afternoon on Alumni Field losing to the strong Trinity College team by the score of 18-0. The day was anything but a good football day. A steady drizzle for the 24 hours preceding the game put the gridiron in a wet, soggy condition, which was far from favorable for a fast, snappy brand of football. In spite of the moist condition of the ball fumbles were not as frequent as might be expected. The footing was far from being favorable to the quick dodging broken field runner, and as a consequence, but little ground was gained in this way with both teams resorting almost entirely to straight line bucks.

A very small crowd witnessed the game, not even the whole student body being on the sidelines to back up the team. The drizzle which came down heavier and thicker as the game went on soon soaked everyone and seemed to put a damper on the crowd. The cheering section lacked pep.

There were no spectacular plays throughout the whole game, nothing but straight football with a forward mixed in now and then. Tech's defense went all to pieces during the second and third periods of play. The Trinity forwards opening up great gaps in the Engineers' line through which their backs plunged for gains of from five to fifteen yards. Tech's first line defense was completely smothered under for a while, the Trinity backs being brought down by Tech's secondary defense time and again. Only at one time during the entire game did Tech show any ground gaining offensive ability. A Trinity punt was touched by a Trinity man on Tech's 30 yard line early in the game. Tech by a series of rushes with Johnson, Perry and Latimer carrying the ball advanced 25 yards down the field making two first downs. Johnson contributed two pretty runs in this advance, one for six and another for twelve yards, right through the center of the Trinity defense. At no other time throughout the game did Tech show any marked offense, and most of the time was woefully weak on the defense.

The first score of the game came during the second quarter. Trinity obtained possession of the ball at mid-field when one of Guthrie's punts was blocked by his own interference. Kennedy, the Trinity quarterback, found that his backs could plunge through the Tech line from tackle to tackle almost at will. Wright, Ortes and Kennedy alternated in carrying the ball through Tech's line and soon had it within striking distance of the Engineers' goal. Kennedy crashed through center then for the first score of the game. Trinity failed to get their extra point, a placement kick from scrimmage formation going low and to one side of the posts.

Trinity put over their second score early in the second half of the game. After recovering a Tech fumble on Tech's 40 yard line they started another march up the field through the center of Tech's defense. Kennedy again went over from the five yard line for a score. An attempted forward pass from kick formation grounded and again Trinity failed to get their extra point.

The final score of the game was made early in the fourth quarter. Carlson, who had replaced Roberts at center, made a bad pass to Perry on the fourth down and instead of kicking Perry was forced to run with the ball, being thrown for no gain. The ball was then Trinity's on Worcester's 30 yard line. Trinity made first down on Tech's 10 yard line after a series of line bucks. Two more rushes put the ball on Worcester's 2 yard line. The next rush netted but a few inches, but on the fourth and last Ortes went over for the touchdown. Kennedy then tried a forward pass for the extra point but it was grounded.

The game opened with Tech kicking off to Trinity. Perry made the first tackle of the game bringing Ortes down on the runback on his 35 yard line. The second quarter opened with Trinity showing the first ground gaining ability displayed thus far by either team in the game. Kennedy saw that his backs failed to gain around the ends so directed all his plays at the Tech line. On the last play of the half Tech completed the only forward pass of the game which resulted in any gain. Perry passed the ball over the right side of his line to Guthrie for 10 yards gain.

Soon after the opening kickoff of the second half Trinity recovered a Tech fumble and started a march for the Worcester goal. After a series of plunges netting about six to eight yards at a time, Kennedy went over the line. Trinity kicked off to Perry. Tech was unable to gain and kicked. Trinity, after making two first downs, was held and lost the ball on downs to Worcester. Here the quarter ended.

At the beginning of the last quarter Johnson replaced Morrison and Carlson replaced Roberts. Soon after the opening of the quarter Trinity got possession of the ball on Tech's 30 yard line and went over a few minutes later for the final score of the game. The remainder of the game saw the ball going back and forth on the 5-10 on an exchange of punts neither team being able to gain effectively.

Lineup:
TRINITY—18
Miller lb
Sinnott lt
Anderson lg
Brill c
O'Connor rg
Noble rt
0—TECH
re Scott
rt Rice
rg Hansen
c Roberts
lg Adams
lt Wilcox

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Contributing to this issue

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R. C. Jordan, '25 C. F. Hawley, '25
G. M. Seidel, '25 H. F. Brown, '25
E. G. Skogberg, '25 S. R. Wendin, '25
S. Tule, '26 D. L. Forbes, '26
L. V. Quigley, '25 D. B. Martin, '24
R. M. Brooks, '26 E. T. Pettengill, '25

All checks made to the Business Manager.

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THE HEFFERNAN PRESS
Spencer, Mass.

October 10, 1922

NEW RUSHING RULES

During the first few weeks of school many things are said and written whose purpose is to help the Freshman along. This is also the reason for this editorial to give the Freshman a clearer insight into the new Interfraternity Rushing Rules which go into effect this year for the first time. The Rules were printed in the NEWS of last week, and it would be advisable for everyone to read them over again carefully.

All rulings of this nature are made both for the welfare of the fraternities and for the new men coming to Tech. A year ago there was a ruling made to the effect that no Freshman could be initiated into any fraternity until after midyears and not then unless he had passed a certain percentage of his hours. This rule tended to make him keep up his studies and not waste his time. "A good start is half the race." This worked out very well and the new rules are just an evolution based on years of experience of the several fraternities. According to the old system new men were met at the station or immediately after registration and kept dated up with one fraternity until pledged or dropped. How could this be a fair deal to either party? Judging from first appearances often works out badly and is sometimes injurious to the fraternity. Also, many of the new men hardly realized that there are any other houses on the Hill as they met no one from any of them. When they receive a bid, the natural outcome is to accept.

Under the new system both parties have a better chance. The fraternities have five weeks in which to keep their eyes on a man, and he has the same privilege. In the following week which is termed as "rushing week" the men get in close contact with one another and the Freshman is given the chance to visit the several fraternities on the Hill. In this way he will be in a position to decide which one he prefers. It would be advisable for a Freshman not to accept too many en-

gagements with any one fraternity but to spend some time with each.

Another reason for the "hands off" period is readily understood. Under the old system rushing began immediately at the opening of school. Therefore, for the first week or ten days, very little was accomplished in the line of studies, and, after all, that is why we are here. A poor start is a handicap which is not easily overcome, and a poor start is the only solution to no studying. With present conditions everyone has the opportunity to get a line on his various studies and professors, and so can plan his time during "rushing week."

Bids will be given out not later than forty-eight hours after the close of the rushing period. These will be in writing and will be handed at a definite place and time. Each man will receive an envelope; some will contain bids and others will not. After this rushing will continue as in previous years.

Any violation of these rules by a fraternity is credited as a dishonorable act and it would be well for a Freshman to bear this in mind. A later issue of the NEWS will contain the exact manner in which the bids will be given out and accepted. A final word to the Freshman is, "Keep your eyes open."

FRESHMAN CAPS

The new caps are what might be termed "nifty." The wearing of these is a Freshman regulation not designed for punishment but to promote school spirit. The regulations observed here at Tech are not as numerous as those found at other colleges and for that reason the few in use should be strictly enforced. Every Freshman should be ready to carry out the regulation of wearing the Cap for the sake of the tradition which will make him a better Tech man. It is the duty of the Sophomore class to see that this Freshman regulation is enforced, also that the hazing rules are not violated.

COMMUNICATIONS

The NEWS takes this opportunity of urging upon its readers the use of its communication column for the expression of opinion. It is only natural that we should err and having done so it is the duty of those knowing better to correct us. We do not presume to be able accurately to voice the sentiments of all sections of the Institute on every question. This is quite impossible. We admit that there is room for disagreement with our opinions and urge that those who differ with us use this column as a means of publicity for their remarks. Those agreeing with us are invited to lend their support likewise, through signed communications.

All communications must be signed, but the author's name may be withheld from publication only upon request. This column is for all—undergraduates, members of the faculty, alumni, and others interested. The NEWS can serve its purpose only insofar as its readers feel that it is their paper and avail themselves of the opportunity for the expression of thought.

To the Editor of the NEWS:

The quotation in the TECH NEWS of October third, from my remarks at the Freshman Reception, was somewhat ambiguous. My statement was that the Journal could be obtained by members of the student body or persons on the Hill at a rate of one dollar per year, which is one-half the amount paid by regular subscribers. I do not want the alumni to misread the statement of your reporter and think the general subscription rate has been reduced.

Yours very truly,

HERBERT F. TAYLOR,
Business Manager of the Journal.



Opening Spam

Now that the sorrows of the vacation season and the joys of "Ye olde routine" have begun, Ye Ed deems it wise to dig out the trusty Corona, wipe the dust from its battered keys, and start on the trail of nonsense once more. For the benefit of those who came in late, let us explain that this is a column devoted to the merry gods of laughter, nonsense and fun, supported by contris from anyone with a sense of humor. To the old boys we need no introduction (we hope). To the new fellows, howdy, and may the friendships be long and lasting. Larry, turn the crank.

HEARD IN A MUSIC STORE

Stude: "Have you got 'Hot Lips'?"
Lady behind the counter: "Not now, won't you try 'Tomorrow Morning'?"

In McEvoy's column in the "Spring Field Union," we notice that he advocates cheers for the classroom. Here are some that might be used advantageously at Tech.

Yea! Rah! Rah!
Organic.
Dibromacetylene,
Ketone, quinone,
Benzene
Ring! Ring! Ring!

Yea Thermo!
Rah, Rah!
Yea Slide Rule
Rah, Rah!
Entropy,
Screws, screws, screws!
Ayah, Ayah!

NEW BOOKS WE HAVENT READ

A Babe in the Crib, by Pasta Makeup.
Who I Am, and Why I Came to Tech.
(32nd edition) Tuen T. Sixe.
Loading as I Do It, by Sumner Shoppe.

THOSE FRESHMEN!

A King's Page was once lost in a Wood. While Wendin his way out he became caught in a Crabtree. In his struggles he made no Gains, but became so Fuller Thorns, that he cried for help. Soon he heard the Hardy Hunter's Horn on the Hill, but as the Hunter spied him, he cried: "Ah, wouldst Steele Wood?" so saying he drew his Hammar to knock him for a Goult.

"Ois not the Wright Tule," cried the Page, "fulfill not thy Lows Amos."
"Tis a Simpson, I Arter know Moore," said the Hunter, as he led the Page from the Wood.

In fourteen hundred and ninety-two, Old Columbu, you sailed the ocean blue. We don't appreciate you, it's true. But for October 12th.

We Thank You.

You've all heard about the Jans who was so dumb that she thought necking was a new kind of scarf, but did you hear of the guy who thought the "Yanks" were a bunch of dentists?

THE WIND UP

All right, you wise crackers, open up with your stuff. Put your contris on paper, address 'em to Ye Ed, and slip 'em into the NEWS box in Boynton Hall. No one debarred on account of age, dumbness, or previous condition of slavery stude.

YE ED.

MISS RUBY H. DAY

Cordially invites Tech Students to attend her
WEDNESDAY AND SATURDAY ASSEMBLIES

8:15 to 11:30—Subscription 50 Cents

TERPSICHOOREAN HALL

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FRATERNITY NOTES

Phi Gamma Delta

Recent visitors at the House have been E. C. Hughes, '14, C. M. Inman, '14, D. P. O'Regan, '91, W. R. Carrick, ex '23, and A. E. Rankin, '14.

"Stan" Hunting, '22, is with the Wagner Electric Co., St. Louis, Mo.

Freeman Butler, '22, is with the Atlantic Refining Co., Philadelphia.

"Charlie" Needham, '22, is with the Westinghouse Electric Co., Pittsburgh.

S. A. E.

Recent visitors at the House were O. C. Walker, '17, C. K. Bunting, '05, B. G. Aldrich, '22.

R. G. Hazeltine, '25, has recently been pledged.

An informal party and dance is being given Wednesday night, Oct. 11.

A. T. O.

George Upton, Jr., '22, Ray Heffernan, '19, Neil Heffernan, '22, were recent visitors.

R. T. Jackson, ex '23, was married on Sept. 22 to Miss Dorothy Palmer of Worcester.

A house dance is being given on Wednesday night, Oct. 11.

Phi Sigma Kappa

Howard J. Trombley, ex-'23, and "Chel" Chase, '21, were recent visitors at the House.

The first House Dance of the season was held Saturday evening, Oct. 7. Several alumni, including Potter, Goodnow, Campbell and Pickwick, were back.

Delta Tau

Delta Tau announces the pledging of A. Lee, '25.

E. D. Johnson, '21, W. L. Martin, '21, and W. Young, ex '25, have been at the house during the week.

SOCCER TEAMS ARE GETTING UNDERWAY

As yet there has not been any schedule made out for class soccer. The men are out for varsity soccer now, but the Freshmen and Sophomores have not yet started playing. Professor Carpenter is waiting until the Freshmen and Sophomores have had a little practice and also until Manager Kimball has completed the schedule for the varsity team before making out a class schedule. However, the upper classmen are getting out on the field for practice in anticipation of the coming games. There is more interest being shown this year in the game, and everyone is looking forward to an interesting series.

MUSICAL CLUBS REHEARSING FOR SEASON

Last Wednesday night the Band held a meeting in the Y. M. C. A. reception room. There were fifteen new men out, but there is still an opening for men who can play the cornet. The next meeting will be Tuesday, Oct. 10, at five o'clock in the "Y." All the old men are expected to come out and bring their music with them. Richard Swallow was appointed temporary leader. The elections for manager and leader will take place in about a month.

A meeting of the Glee Club was held last Tuesday at five o'clock. About fifteen Freshmen were out. There is a good chance for tenor voices.

The Musical Club has planned a dance to come the same day as the Rope Pull.



PILAR INCLINE CITY OF BAHIA, BRAZIL

BAHIA is divided into an Upper and a Lower City. One section is on the top of a cliff—the other extends between the foot of the cliff and the waterfront.

Four Otis Electric Elevators in two large vertical towers and the Otis Incline Railway pictured here, carry the people and freight up and down the cliff. The Incline Railway is built at an angle of 40 degrees; there are two cars working alternately, each with a capacity of 20 people and 1500 pounds freight and the trip is made in 90 seconds.

Otis engineering has successfully linked these two parts of Bahia. This achievement, big as it is, is but one significant detail of the world-wide service given by Otis.

Most of the famous structures of the world are equipped with Otis Elevators.

OTIS ELEVATOR COMPANY
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FRESHMEN FOOTBALL TEAM WORKING HARD

Men Show Promise

The Freshman eleven showed surprising strength in defence in their first lineup together in the Wednesday scrimmage with the varsity. They first attempted to hold varsity A, and then were set up against varsity B. They should prove a great help by providing hard scrimmage for the varsity.

On Thursday and Friday the Freshmen were instructed in shift plays. Coach Lancaster has charge. There are about sixteen men on the squad, many of whom were gained by the varsity cut. The team is fast rounding in to shape, and should be ready for their first game which comes Oct. 12, with Worcester Academy at Gaskill field.

The following men compose the squad which is being coached by Bruce Lancaster and Jeppson, a letter man of last year's varsity squad: M. Bassilakis, G. Bird, Montelle, L. Cheney, H. Feldman, J. P. Fleming, C. Healey, A. Hunter, F. Johnson, S. Nadolski, P. Martin, C. Moran, R. Odabashian, L. Page, A. Rontato, O. W. Rugg, J. Schwarz, J. Simmons, H. Wendin, A. Wilson, A. Zalinski.

There are at present three Freshmen playing on the varsity squad, Calder, Carlson and Guthrie.

CROSS COUNTRY MEN LIMBERING UP

Practice was taken up rather heavily during the past week in anticipation of the first meet, which has been changed to October 21. Nearly all of last year's men are out and a few of the lower classmen are showing up well.

Johnson, '24, who did such good work last year, is getting back into form. Anderson, '24, who worked well last year, promises to give Johnson a fight this year for honors. The other men also have bright prospects and the coach will find difficulty in picking the varsity squad. The team is very fortunate this year in having Oliver Johnson as coach. Being a prominent track man himself, with a trip to the Olympic games as part of his record, he is ably fitted to make a winning squad from his material. The interclass run which comes shortly will give him a still better chance to look over the men. However, new men are al-

ways needed, and the coach wants to double the number of men in the squad this week.

ALUMNI NOTES

During Professor Taylor's recent stay in Chicago and Cleveland, he attended the meetings of the Alumni in each city. They had a large and enthusiastic gathering at these meetings and were very much interested in all the details back here at Tech of which Professor Taylor could tell them. They are all planning to come back here to Worcester for Commencement next June.

The Philadelphia and Washington Associations are planning to have meetings early in November. One of the faculty, probably Professor Coombs, will go to address the Alumni.

The October issue of the "In-Between Journal" will be published about the twentieth of this month and will contain a summary of the events of the opening of the school year. This journal goes to over twenty-five hundred of the alumni, and all of them are anxious to know how things are starting out.

FRESHMAN CLASS MEETING

Last Friday immediately following the Chemistry lecture the first class meeting of the Freshman class was held. As is the usual custom, H. P. Latimer, president of the Junior class, presided over the meeting until the Freshmen elected a president of their own. Howard Smith, of Worcester, was elected and H. P. Latimer turned the meeting over to him. Nominations were then called for the positions of vice-president, secretary and treasurer. These were filled respectively by Malbot H. Steele of Worcester, Sherman Hall and Charles Healy of Springfield.

Elections were then held for captain of rope-pull and baseball. J. H. McCarthy of Leominster and a veteran of two years experience at Worcester Academy was chosen for captain of baseball. After much discussion Arthur O. Du Bois of Worcester was elected as captain of rope-pull. No captain of football was elected at this meeting but this position will be filled at the next meeting.

HISTORICAL CALENDAR

Tuesday, Oct. 10, 1921—Winckler appears in golf pants and is arrested for vagrancy, having no visible means of support.

Wednesday, Oct. 11, 1872—Student forgets text book in classroom. When he got back the book was gone. He was able to steal it back again a couple of days later.

Thursday, Oct. 12, 1919, Columbus Day—A Sophomore declared that he was glad that the holiday came on his easy day, having only two hours, as he did not wish to miss many classes.

Friday, Oct. 13, 1920—Prof. Zinn did not write any formulas or names on the blackboard. Two repeating Sophomores fainted, but were revived later by the aid of NH4OH.

Saturday, Oct. 14, 1903—A Junior was discovered who did his Monday's preps on Saturday p. m., instead of waiting until Sunday night or Monday morning.

Sunday, Oct. 15, 1894—Freshman named Brown said he likes to wear Freshman cap because it advertises Tech and also shows he is not an upper-classman.

Monday, Oct. 16, 1909—Student was heard to remark that he was glad it was Monday again so he could get back to his classes.

JUNIOR CLASS MEETING

On last Tuesday, Oct. 3, the Junior Class held a meeting in Boynton Hall. The retiring president, S. F. Johnson, made a few remarks as to the number of important matters which will have to be attended to in the immediate

future. One of these is the Rope-pull and the other the Half-way-through banquet. Committees will soon be busy on both of these matters.

The elections then took place and resulted as follows:

President, H. P. Latimer
Vice president, J. Curran
Secretary, J. Styffe
Treasurer, E. Higgins
Walter MacAdam was elected delegate to the Tech Council.

THE HANDBOOK

The appearance of the 1922-23 Handbook, which was distributed to the Freshman Class early last week is very gratifying. The many improvements embodied are in accord with the general spirit of progress at the Institute. The additional information contained adds greatly to the usefulness of the book. The most noteworthy improvement, however, is the change in size which makes the book much more convenient for carrying in the pocket where it is always available to supply information regarding the Institute and all the various activities. The freshmen especially should appreciate the efforts of the Handbook staff and show their appreciation by making use of it. The upper classmen will also find much that is interesting and useful in the handy little book, and should show their appreciation by getting their copies at once.

AS TWAS, 'TIS AND 'T'WILL BE

A glance.
Another glance.
More glances.
Where was it I met you?
A smile.
A giggle.
A burst of laughter.
Come, we shall go, and you.
A walk.
Some talk.
But backwards here, you see
He whispers.
She nods—
Yes.
A light.
Less light.
No light at all.
A crashing fall, tho' quietly enough.
His heart beats twice.
Her's not at all.
Then silence.
That is all.
Prolonged—
There is the fall.
Imagination.
Fascination.
Relaxation.
Fill in the rest.

—Orange and Blue.

THE NEWS WANTS MORE FRESHMEN OUT



Why Is Iron Magnetic?

A horse-shoe magnet attracts a steel needle. But why? We don't know exactly. We do know that electricity and magnetism are related.

In dynamos and motors we apply electro-magnetic effects. All our power-stations, lighting systems, electric traction and motor drives, even the ignition systems of our automobiles, depend upon these magnetic effects which we use and do not understand.

Perhaps if we understood them we could utilize them much more efficiently. Perhaps we could discover combinations of metals more magnetic than iron.

The Research Laboratories of the General Electric Company investigate magnetism by trying to find out more about electrons and their arrangement in atoms.

X-rays have shown that each iron atom consists of electrons grouped around a central nucleus—like planets around an infinitesimal sun. X-rays enable us to some extent to see into the atom and may at last reveal to us what makes for magnetism.

This is research in pure science, and nothing else. Only thus can real progress be made.

Studies of this kind are constantly resulting in minor improvements. But some day a discovery may be made which will enable a metallurgist to work out the formula for a magnetic alloy which has not yet been cast, but which will surely have the properties required. Such a result would be an achievement with tremendous possibilities. It would improve all electric generators, motors, and magnetic devices.

In the meantime the continual improvement in electrical machinery proceeds, in lesser steps. These summed up, constitute the phenomenal progress experienced in the electrical art during the past twenty-five years.

He Reached the Top

THE Vice-President of a great life insurance company who began his career as an agent has this to say to seniors who are about to graduate from college:

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"That this is true is demonstrated by those college men who have taken up life insurance for they have shown that the college man is fit for this kind of a job and that the job also is fit for the college man.

"The work of the life insurance salesman is distinguished by independence and opportunity for directing his own. It gives all possible opportunity for individual initiative and a chance to make an ample income at an age when most fellows are struggling on a wage pittance."

That is the story of one who began at the bottom and reached the top without the help of a college education. The advantages are with you who graduate from college. Before deciding your career make inquiries of the "Agency Department."

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CHEMISTRY NOTES

(Continued from Page 1, Col 2)

him by his father. There surely is no more loyal supporter of W. P. I. than this alumnus in far off Japan.

E. K. Strachan of the class of 1908 recently resigned his position with the National Aniline Company at Buffalo, where he was in charge of the division of physical chemistry of the research laboratory, and is to take a position this fall as assistant professor of physical chemistry at Brown University. During the summer he has been conducting classes in physical chemistry at Canisius College, Buffalo.

C. A. Gammal of the class of 1920 was a recent visitor at the laboratory. Mr. Gammal is in the research department of the Mathieson Alkali Works at Niagara Falls. In the July number of the Journal of Industrial and Engineering Chemistry in collaboration with M. C. Taylor, he has made an important contribution on the determination of free chlorine and hypochlorous acid in concentrated salt solutions.

W. Bartlett Jones of the class of 1916 writes that he has established connection with the firm of Cromwell, Greist and Warden, patent lawyers in Chicago, and is much pleased with his work. Incidental thereto he is studying law in the evening law school.

Mr. Howland Butler of the class of 1918, who during the past year has been taking some post-graduate work at the University of Illinois, has accepted a position with the St. Louis Colco and Chemical Company.

Mr. James H. Hill of the class of 1921 has accepted a position in the analytical laboratories of the National Aniline & Chemical Company at their Buffalo plant.

Mr. E. A. Richardson, 1922, has accepted a position with the National Aniline Company at Buffalo in their analytical department.

Mr. E. S. Thayer, 1922, has accepted a position in the Production Department of the U. S. Envelope Company at Springfield, Mass.

A Sophomore returning from South Worcester, was discovered by a policeman hanging his knuckles on a lamp post at Franklin Square and calling, "Lemme in! Lemme in!" "Nobody lives there," said the policeman.

"Thash where you're wrong, Mish-ter," was the answer. "There's a light upstairs."

L. B. WHEATON

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E. E. NOTES

Charles E. Eveleth, B. S., class of '99, has been advanced to the position of assistant manager of the Schenectady Works at the General Electric Company's plant in that city. He formerly was executive engineer of the Turbine Department in the Schenectady and Lynn Works. During the war he was perfecting devices for submarine detection, many of which have been adopted. In 1906 Mr. Eveleth became an associate of the American Institute of Electrical Engineers.

Sidney W. Farnsworth, '06, has been appointed assistant general superintendent of engineers in the U. S. Postoffice Department, Washington, D. C. He is in charge of all engineering work of the Postoffice Department throughout the country. He was an assistant in the E. E. Department here for two years. He has been also associated with the Underwriter's Laboratory at Chicago and the Western Electric Co. at Pittsburg. During the war he was an engineer on submarine work with the U. S. Naval Experimental Station in New London. Along the latter part of the war he went, as U. S. Legation Attache, to London. Until his present appointment Mr. Farnsworth was with the Mark Mfg. Co. of Chicago.

Prof. H. B. Smith will attend the directors' meeting of electrical engineers in New York, Nov. 9. He has been appointed on four important committees: Sections, Electro-Physics, Student Branches and Educational.

Prof. R. S. Richey is attending the annual convention of the American Railroad Association at Atlantic City, this week.

SOPHOMORES HOLD CLASS MEETINGS

At the first Sophomore class meeting of the year, held Oct. 2, the class officers and the baseball captain were elected. The officers selected were:

President, R. B. Scott
Vice-president, E. T. Pettengill
Secretary, M. C. Fox
Treasurer, J. K. Sterett
"Shorty" McFarrell was elected baseball captain.

It was reported that there were about fifteen freshman caps unsold. Freshmen who have not yet purchased them may buy these by applying to the committee in charge.

At the second class meeting of the year the other class team captains were selected. These are:
Football captain, H. Hansen
Basketball captain, P. R. Delphos
Track captain, D. McInnes

A committee will be appointed by the president to manage the rope pull, the chairman of this committee to act as captain. The class secretary was instructed to send the challenge for the rope pull.

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Y. M. C. A. PLANS

At the first of each school year it is the duty and work of the members of the Y. M. C. A. cabinet to make plans for the activities and work which the "Y" intends to carry forward on the Hill during the coming college year. Following custom this important work of planning for the future has already been well started although many of the details are not yet all worked out. It is expected that the plans will be completed and definitely adopted at a meeting of the Cabinet to be held in the near future.

It has been the custom of the "Y" to use the budget system as a foundation and guide in solving its financial problems. This has proved quite satisfactory in years past and will be used again this year.

The Church Relations committee has made out a list of the members of the Freshman class giving the denomination of their respective churches. Copies of this list will be mailed to the pastors of the different churches in the city.

WIRELESS CLUB

The first meeting of the Wireless Club was held Friday, Oct. 6, in the Electrical Engineering Building. The following officers were elected: Pres., F. H. Scheer, '23; vice president, H. P. Walton, '23; corresponding secretary, A. R. Brown, '25; recording secretary, C. F. Stevens, '25; chairman publicity committee, M. C. Potter, '25.

The club expects to accomplish much more this year and also plans to maintain a more regular schedule for handling traffic with the other New England colleges. Tech's station, 1YK, will compete in the second transatlantic tests conducted by the American Radio Relay League and to be held in December. Last year when 1YK was heard across in the first tests, the station had an output of about twenty watts, while this year with one hundred watts output, much more can be expected.

TRINITY FOOTBALL GAME

(Continued from Page 1, Col. 5)

Hart qb lb Berry
Kennedy qb qb Latimer
Wright lb rhb Perry
Fisher rhb lb Johnson
Ortges fb fb Guthrie

Touchdowns, Kennedy 2, Ortges. Substitutions, O. Hansen for Adams, Morrison for Johnson, Calder for Latimer, Carlson for Roberts, Hayes for Guthrie, Trinity, Allan for Wright, Carroll for O'Connor, Luley for Miller, Comerford for Hart, Woolam for Sennott, Ryan for Noble, McNally for Carroll, Thomas for Ortges. Referee, Haggood, Umpire Dorman. Head linesman, Hadley; linesmen, Zenzian and Grime. Time, 2:40, 2:12 min. periods. Attendance, 300.

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